

# Medium Power Amplifiers and Switches

TYPE NO.	POLARITY	CASE	MAXIMUM RATINGS			H <sub>FE</sub>				V <sub>CE(SAT)</sub>		f <sub>T</sub> min (MHz)	Cob max (pF)	COMPLE- MENTARY TYPE
			P <sub>d</sub> (mW)	I <sub>C</sub> (A)	V <sub>CEO</sub> (V)	min	max	I <sub>C</sub> (mA)	V <sub>CE</sub> (V)	max (V)	I <sub>C</sub> (A)			
2N3073	P	TO-18	360	0.5	60	30	130	50	1	1	0.3	130	10	-
2N3081	P	TO-39	600	0.6	50	30	90	150	10	0.3	0.15	150	13	-
2N3107	N	TO-39	800	1	60	100	300	150	10	1	1	70	20	2N4032
2N3108	N	TO-39	800	1	60	40	120	150	10	0.25	0.15	60	20	2N4030
2N3109	N	TO-39	800	1	40	100	300	150	10	1	1	70	25	2N4033
2N3110	N	TO-39	800	1	40	40	120	150	10	0.25	0.15	60	25	-
2N3115	N	TO-18	400	0.6	20	40	120	150	10	0.5	0.15	250	8	-
2N3116	N	TO-18	400	0.6	20	100	300	150	10	0.5	0.15	250	8	-
2N3120	P	TO-39	800	0.5	45	30	130	50	1	1	0.5	130	10	-
2N3121	P	TO-18	360	0.5	45	30	130	50	1	1	0.5	130	10	-
2N3133	P	TO-39	600	0.6	35	40	120	150	10	0.6	0.15	200	10	-
2N3134	P	TO-39	600	0.6	35	100	300	150	10	0.6	0.15	200	10	-
2N3135	P	TO-18	400	0.6	35	40	120	150	10	0.6	0.15	200	10	-
2N3136	P	TO-18	400	0.6	35	100	300	150	10	0.6	0.15	200	10	-
2N3299	N	TO-39	800	0.5	30	40	120	150	10	0.6	0.5	250	8	-
2N3300	N	TO-39	800	0.5	30	100	300	150	10	0.6	0.5	250	8	-
2N3301	N	TO-18	360	0.5	30	40	120	150	10	0.6	0.5	250	8	-
2N3302	N	TO-18	360	0.5	30	100	300	150	10	0.6	0.5	250	8	-
2N3326	N	TO-39	800	0.8	45	40	120	150	10	0.6	0.5	250	8	-
2N3414	N	TO-92B	360	0.5	25	75	225	2	4.5	0.3	0.05	-	-	-
2N3415	N	TO-92B	360	0.5	25	180	540	2	4.5	0.3	0.05	-	-	-
2N3416	N	TO-92B	360	0.5	50	75	225	2	4.5	0.3	0.05	-	-	-
2N3417	N	TO-92B	360	0.5	50	180	540	2	4.5	0.3	0.05	-	-	-
2N3502	P	TO-39	800	0.6	45	100	300	150	10	1	0.3	200	8	-
2N3503	P	TO-39	800	0.6	60	100	300	150	10	1	0.3	200	8	-
2N3504	P	TO-18	400	0.6	45	100	300	150	10	1	0.3	200	8	-
2N3505	P	TO-18	400	0.6	60	100	300	150	10	1	0.3	200	8	-
2N3678	N	TO-39	800	0.8	55	40	120	150	10	1	0.5	250	8	-
2N3700	N	TO-18	500	1	80	100	300	150	10	0.5	0.5	100	12	-
2N3701	N	TO-18	500	1	80	40	120	150	10	0.5	0.5	80	12	-
2N3702	P	TO-92B	360	0.2	25	60	300	50	5	0.25	0.05	100	12	2N3704
2N3703	P	TO-92B	360	0.2	30	30	150	50	5	0.25	0.05	100	12	2N3706
2N3704	N	TO-92B	360	0.2	30	100	300	50	2	0.6	0.1	100	12	2N3702
2N3705	N	TO-92B	360	0.2	30	50	150	50	2	0.8	0.1	100	12	2N3702
2N3706	N	TO-92B	360	0.2	20	30	600	50	2	1	0.1	100	12	2N3703
2N3793	N	TO-92B	250	0.5	20	20	120	10	10	0.4	0.01	100	10	-
2N3794	N	TO-92B	250	0.5	20	100	600	10	10	0.4	0.01	100	10	-
2N3945	N	TO-39	5000▲	1	50	40	250	150	10	0.5	0.15	60	12	-
2N4029	P	TO-18	500	1	80	100	300	100	5	0.5	0.5	150+	20	-
2N4030	P	TO-39	800	1	60	40	120	100	5	0.5	0.5	100	20	2N3108
2N4031	P	TO-39	800	1	80	40	120	100	5	0.5	0.5	100	20	2N3020
2N4032	P	TO-39	800	1	60	100	300	100	5	0.5	0.5	150	20	2N3107
2N4033	P	TO-39	800	1	80	100	300	100	5	0.5	0.5	150	20	2N3109
2N4036	P	TO-39	1000	1	65	40	140	150	10	0.65	0.15	60	30	2N2102
2N4037	P	TO-39	1000	1	40	50	250	150	10	1.4	0.15	60	30	2N3053
2N4140	N	TO-106	300	0.2	30	40	120	150	10	0.4	0.15	250	8	-
2N4141	N	TO-106	300	0.2	30	100	300	150	10	0.4	0.15	250	8	-
2N4242	P	TO-106	300	0.2	40	40	120	150	10	0.4	0.15	200	8	-
2N4143	P	TO-106	300	0.2	40	100	300	150	10	0.4	0.15	200	8	-
2N4227	N	TO-106	300	0.2	30	75	150	150	10	0.4	0.15	250	8	-
2N4228	P	TO-106	300	0.2	40	75	150	150	10	0.4	0.15	200	8	-
2N4234	P	TO-39	1000	3	40	30	150	250	1	0.6	1	3	100	2N4237
2N4235	P	TO-39	1000	3	60	30	150	250	1	0.6	1	3	100	2N4238
2N4236	P	TO-39	1000	1	80	30	150	250	1	0.6	1	3	100	2N4239
2N4237	N	TO-39	1000	1	40	30	150	250	1	0.6	1	2	100	2N4234

▲ T<sub>c</sub> = 25°C